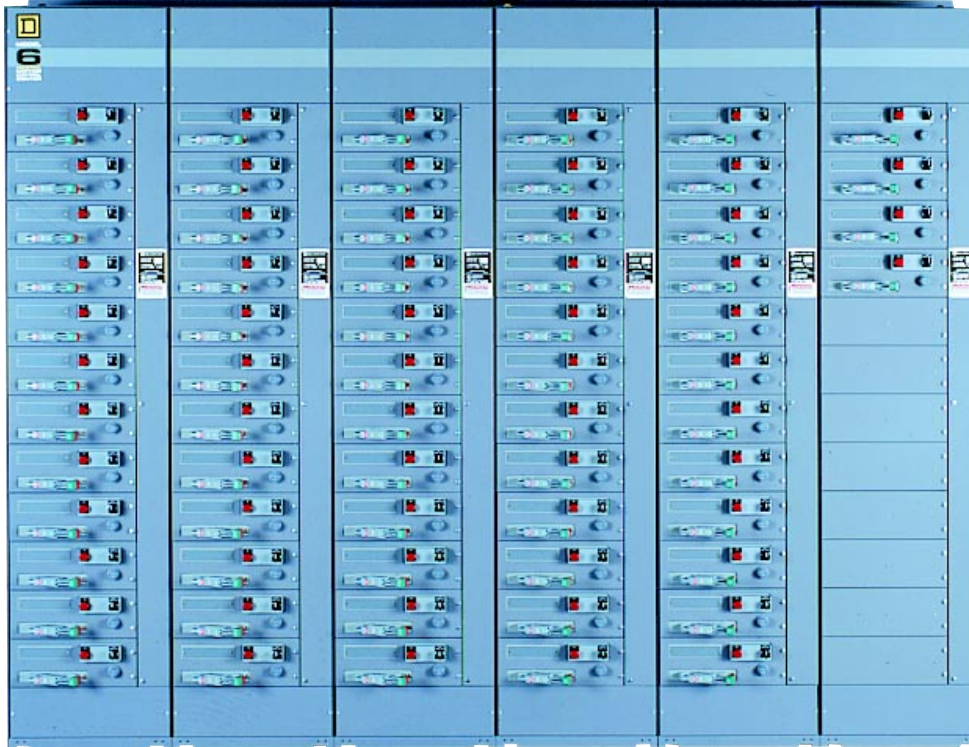


Model 6 Motor Control Center COMPAC™ 6 Units



- NEMA Rated Type S, Size 1 FVNR
- *Application Rated* through 10 hp FVR; 25 hp FVNR
- Up To Twelve Units Per Section
- 65k AIR at 480V with MAG-GARD® Circuit Breaker
- 100k AIR at 600V Fusible
- Class J Fusible Branches, Up To 100A
- New Technology GJL Circuit Breaker
- MOTOR LOGIC™ Solid-State Overload Relay
- Installed in Any Model 6 MCC Location
- SPEED-D® Service on Basic Unit with Most Options
- UL Listed; CSA and NOM certified

Space-Saving COMPAC 6 Model 6 Motor Control Center Units

A wide range of optional six-inch COMPAC™ 6 units is now available for the Model 6 Motor Control Center (MCC) family.

Users with large quantities of motors rated at 25 hp or less can greatly reduce MCC floor space requirements. COMPAC 6 units are also ideal for users faced with upgrading existing MCCs where no space exists to add additional structures. Up to twelve COMPAC 6 units can be installed in a vertical section. No special structure modifications are required; all COMPAC 6 units may be used in existing Model 6 MCCs without location restrictions.

Careful attention to the unit layout has ensured maximum user accessibility to key internal components such as power fuses, overloads, and field control and power wiring terminations. All components are front accessible with the unit installed.

Each unit may be quickly and easily removed for maintenance by removing the field power wiring terminations, pulling the control wiring terminal block apart, and sliding the unit out of the structure.

When no internal control power transformer is required, optional components may be installed in the rear of the unit. Provisions are included for the user to easily mount a standard DIN rail for this purpose. OEMs and system integrators will appreciate this feature.

All combination circuit breaker units use a new GJL instantaneous trip circuit breaker; combination starter and branch fusible units use a new Class J fusible switch. Refer to table 2 for unit interrupting ratings.

The COMPAC 6 NEMA rated unit is based on the time-proven Type S NEMA rated Size 1 full voltage non-reversing starter. Combination starter units are available with either a new GJL high performance circuit breaker or a new compact Class J fusible switch.



Units accept a wide range of options including up to four Telemecanique heavy duty, 22 mm pilot devices on the local operator control panel. This panel, attached by two semi-captive

screws, is easily removed for better accessibility to interior components. Field control wiring is terminated to the front-accessible, pull-apart, fifteen point terminal block.



SQUARE D
GROUPE SCHNEIDER

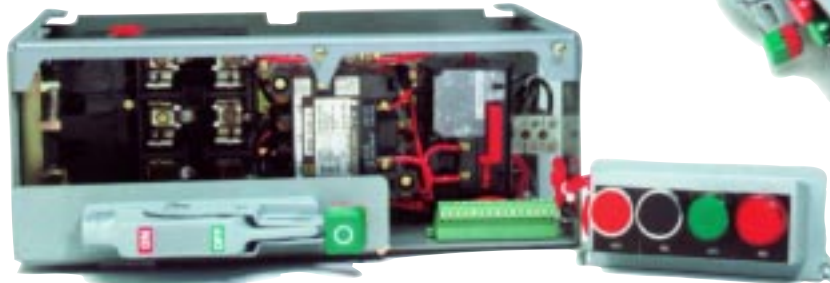
Model 6 Motor Control Center COMPAC™ 6 Units

▼ **COMPAC 6 combination fusible starter units** use Class J fuses only, and are short circuit rated for 100,000 amperes for all distribution systems at 600 volts or less.



▲ **COMPAC 6 fusible branch units** are available in 30, 60, and 100 ampere Class J frame sizes. Class J fuse clips include an integral fuse puller.

▼ **COMPAC 6 NEMA rated combination starter units** are also available with the new MOTOR LOGIC™ solid-state overload relay. MOTOR LOGIC overload relays are ambient insensitive and provide phase loss and phase unbalance protection. Customer connections are terminated to factory-supplied terminal blocks conveniently located next to the vertical wireway. Refer to table 1 for range of motor sizes.



▼ **COMPAC 6 application-rated combination starter units** use a Telemecanique D-line contactor.

Full voltage non-reversing combination *application-rated* starters are available for motors in standard duty applications through 25 hp at 480 volts.

Full voltage reversing combination *application-rated* starters are available for motors in standard duty applications through 10 hp at 480 volts.

All **COMPAC 6 application-rated** units must be selected based on motor nameplate full load amperes.



Table 1: MOTOR LOGIC Overload Range


Range (Amperes)	Horsepower			
	208 V	240 V	480 V	600 V
2–6	0.75–1	0.75–1	1.5–3	2–3
3–9	1.5	1.5–2	—	5
6–18	2–3	3	5–7.5	7.5–10
9–27	5	5–7.5	10	—

Table 2: Interrupting Ratings

Voltage	Disconnect		Rating
208–480	GJL MAG-GARD Combination Starter		65k AIR
	Fusible (Class J) Combination Starter or Branch		100k AIR
600	Fusible (Class J) Combination Starter or Branch		100k AIR

Reference Publications

- Model 6 Instruction Bulletin 8998IM9201
- MCC Starter Units MOTOR LOGIC Solid-State Overload Relay Instruction Bulletin Addendum 8998IM9502
- COMPAC 6 Unit Instruction Bulletin Addendum 8998IM9501
- MOTOR LOGIC Instruction Bulletin 30072-013-29
- Class 0580 GJL MAG-GARD Circuit Breaker Data Sheet 0580HO9501

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